Agarose gel preparation (1X)

For a 40ml of agarose gel:

1. Weight 0.4 g of agarose in the analytical balance.
2. Dissolve the agarose in 40 mL of TAE 1X.
3. Heat the solution in the electric grid until it completely clarifies.
4. Wait for the temperature to descend to 50-55 ºC and then add 4 µL of SybrGreen.
5. Mix until it dissolves to make a homogeneous mix and pour it immediately into the gel holder.
6. Wait until it polymerizes.

Electrophoresis

1. Place the previously made gel on the electrophoresis chamber.
2. Add TAE 1X to the chamber until it covers the gel completely.
3. Assign the a for each sample.
4. Cut parafilm pieces to make the mixes with the loading dye.
5. Load the Molecular Weight Marker and the samples in each well.
6. Connect the chamber to the power source.
7. Adjust the power source to 90 V for 30 minutes (this time can vary, so watch the rate at which your DNA migrates).
8. Wait 30 minutes.
9. Take the gel to the UV transilluminator.
10. Make observations.